

## CLIMATOLOGICAL DATA FOR JANUARY, 1912.

## DISTRICT NO. 11, CALIFORNIA.

Prof. ALEXANDER G. MCADIE, District Forecaster.

## GENERAL SUMMARY.

January, 1912, was warm and dry. It was in marked contrast to January, 1911, when the rainfall was abnormally heavy; and resembled more January, 1910, which was one of comparatively light precipitation. During January, 1912, there were many days of bright sunshine, and especially in the southern portion of the State many days when afternoon temperatures exceeded 70°. There were few storms, and the general character of the month was pleasant in the matter of personal comfort; but unfavorable from an agricultural point of view.

The month began with an area of high pressure over the northern half of the Pacific Slope and resulting north winds in California. Heavy frosts occurred during the first four days, of which ample warnings were given. From the 7th to 11th the weather was unsettled, with frequent light rains and south winds of moderate velocity. On January 12 temperatures on the Pacific Slope already above the normal rose rapidly in connection with Chinook conditions prevailing in the Northern Rocky Mountain States. At the same time unusually cold weather prevailed in Eastern States. Well marked foehn effects were noticeable in California on January 13, 14, and 15. On January 14 a maximum temperature of 86.8° occurred at Los Angeles. This was within two-tenths of a degree of the highest temperature ever recorded for January at that place. At other points afternoon temperatures exceeded 80°, and at a few places reached 90°. It is interesting, as showing contrasts in the United States, to note that on Sunday morning, January 14, the temperature at Los Angeles was 64° and at Washington, D. C., it was 13° below zero. From the 15th to the 20th of January the weather was unsettled in the central and northern counties of California, but fair in the southern portion. During the last decade there were frequent depressions on the northern coast; but these all moved eastward, and in only one case did the rain area extend south of Point Conception. The month closed with conditions resembling those prevailing at the beginning of the month, north winds, little or no rain, and high afternoon temperatures.

The snowfall was unusually light, and at the close of the month the amount of snow in the mountains was less than in any previous year of record. The run-off was unusually small, and the month ended with general apprehension of a shortage of water in the counties south of Plumas.

## TEMPERATURE.

The mean temperature for the State was 47.7°, or nearly 2° above the normal. This was the warmest January since 1909, and 2° warmer than January last

year. The following table gives the means and departures for each January from 1897 to 1912, inclusive:

Year.	Mean.	Departure.	Year.	Mean.	Departure.
	F°.	F°.		F°.	F°.
1897.....	45.5	-0.3	1905.....	48.3	+2.5
1898.....	41.0	-4.8	1906.....	47.5	+1.7
1899.....	46.4	+0.6	1907.....	43.9	-1.9
1900.....	47.9	+2.1	1908.....	46.7	+0.9
1901.....	43.9	-1.9	1909.....	47.8	+2.0
1902.....	44.5	-1.3	1910.....	41.9	-3.9
1903.....	46.6	+0.8	1911.....	45.7	-0.1
1904.....	45.8	0.0	1912.....	47.7	+1.9

The highest temperature recorded was 90°, at Ojai Valley on the 13th and at Escondido on the 14th. This was the same as the highest temperature recorded during January, 1910. The lowest temperature was -26°, at Alturas on the 3d. This was 2° lower than the lowest temperature recorded during January, 1911, but 4° higher than the coldest day in January, 1910. The highest monthly mean was 59°, at Los Angeles. The lowest monthly mean 21.8°, at Tamarack.

## PRECIPITATION.

The precipitation was one-third less than that of an average January. It was the least since January, 1904. The rain was not well distributed geographically, the southern counties receiving very little.

The following table gives the average and departure from the normal for each January from 1897 to 1912, inclusive:

Year.	Mean.	Departure.	Year.	Mean.	Departure.
	Inches.	Inches.		Inches.	Inches.
1897.....	2.69	-2.72	1905.....	4.37	-1.04
1898.....	1.08	-4.33	1906.....	7.86	+2.45
1899.....	3.53	-1.88	1907.....	7.46	+2.05
1900.....	3.30	-2.11	1908.....	4.63	-1.78
1901.....	5.21	-2.20	1909.....	16.17	+10.76
1902.....	1.38	-4.03	1910.....	4.86	+1.55
1903.....	4.56	-85	1911.....	13.20	+7.79
1904.....	1.38	-4.03	1912.....	3.58	-1.83

The greatest monthly rainfall was 23.42 inches, at Upper Mattole. At 13 stations no rainfall was reported during the month. The greatest 24-hour rainfall was 6.64 inches, at Magalia on the 25th.

*Snowfall.*—January, 1912, was a month of unusually light snowfall in the mountains of California. In the Siskiyou, the Coast Range, the Sierra Nevada, and the Sierra Madre less snow fell than has been known for many years. Moreover, the preceding month was a month of light snowfall. As a result of these conditions

the snow cover at the close of January was less extensive and deep than for a similar date in any other year of which we have records. The run-off during January was light and streams were unusually low. While the water supply is adequate in central and northern counties, there is some apprehension in other sections.

January, 1912, stands in marked contrast with January, 1911, which was a month of unusually heavy precipitation in all parts of California. The snow cover then was extensive and deep. This condition followed a long dry period which was not broken until January 9.

**Summit.**—The following table shows the depth of snow on the ground at Summit, Cal., on certain dates in January during the period 1907 to date:

	Jan. 1.	Jan. 15.	Jan. 31.
	Inches.	Inches.	Inches.
1907.....	45	142	148
1908.....	87	72	87
1909.....	28	90	172
1910.....	54	87	68
1911.....	4	136	218
1912.....	60	46	41

#### SUNSHINE.

The following table gives the total hours of sunshine and percentages of the possible:

Station.	Hours.	Per centage of possible.	Station.	Hours.	Per centage of possible.
Eureka.....	60	20	Sacramento.....	91	30
Fresno.....	146	47	San Diego.....	235	74
Los Angeles.....	232	73	San Francisco.....	114	37
Mount Tamalpais.....	91	30	San Jose.....	174	55
Red Bluff.....	108	36	San Luis Obispo.....	140	48

There was much more sunshine in the southern counties than during January, 1911, but less in the northern counties.

#### CHANGES IN NAMES OF STATIONS.

The following changes have been made in the names of stations, and the new names are used beginning with the present issue:

Brush Creek changed to Stanwood.

Daunt changed to Springville.

Nimshew changed to De Sabla.

Pollasky changed to Friant.

#### NOTES ON THE RIVERS OF THE SACRAMENTO AND SAN JOAQUIN WATERSHEDS FOR JANUARY, 1912.

By N. R. TAYLOR, Local Forecaster.

#### SACRAMENTO WATERSHED.

The stages of the rivers of this watershed averaged from 1 foot to slightly over 2 feet above those of the preceding month. They were, however, unprecedently low for the season. With the exception of the record at Red Bluff, in 1902, when extreme low water for the month was reached, previous low-water records were broken in the drainage basin of the Sacramento Valley.

The following data from selected points in the Sacramento watershed show river conditions during January: Kennett, 3.2 feet, 2.0 feet below the normal; Red Bluff, 3.7 feet, 3.1 feet below the normal; Colusa, average 5.6 feet, 7.6 feet below normal; Knights Landing, average

3.6 feet, 8.5 feet below normal; Sacramento City, average 8.1 feet, 8.6 feet below the normal; Folsom, 3.1 feet, 3.1 feet below the normal; Oroville, average 2.7 feet, 2.5 feet below the normal; Marysville, average 7.2 feet, 3.4 feet below the normal.

The first general rise during the season of any importance occurred during the last decade of the month. Coincident with the heavy rains in the upper part of the Sacramento Valley the river at Kennett rose 5 feet during the 24 hours ending at 7 a. m. of the 26th, when a stage of 13.5 feet was recorded. The crest of this rise reached Colusa on the 27th, and Knights Landing and Sacramento City on the 28th.

The rise below Monroeville was greatly augmented by the output of Stony Creek, which, on the 26th, rose nearly 9 feet in less than 24 hours. The highest stage reached on the Sacramento River was 21.9 feet at Colusa at 4 p. m. of the 26th.

Although the rainfall in the watersheds of the American, Feather, and Yuba Rivers was much less than in the upper reaches of the Sacramento, sharp rises occurred in those streams, the greatest of which was 5 feet at Oroville on the Feather River.

By the last of the month the rivers were falling, and the upper Sacramento and many of the smaller watercourses were rapidly approaching the extreme low-water stages that prevailed previous to the rain.

The rainfall in all sections of the Sacramento drainage area was deficient, especially so in the foothill regions and along the west slopes of the Sierra.

#### SAN JOAQUIN WATERSHED.

The average stages of all rivers in this watershed varied only slightly from those of the preceding month, and were from 1 to 5 feet below the January normal. With few exceptions all streams were the lowest ever before known during the month in question.

While the rainfall throughout the San Joaquin Valley was deficient the normal was more closely approached than in that of the Sacramento. But its effect on the rivers was not appreciable in the San Joaquin between Friant and Firebaugh, nor in the Merced, and barely so in the San Joaquin below the mouth of the Stanislaus. The Tuolumne, Mokelumne, Cosumnes, Stanislaus, and Calaveras Rivers rose slightly, the rises ranging from 1 to somewhat over 2 feet.

#### A STUDY OF DRY SEASONS IN SAN DIEGO.

By FORD A. CARPENTER, Local Forecaster.

Considerable apprehension has been felt as to the outcome of the present season in San Diego as regards rainfall. Twelve years ago similar conditions prevailed, and in the Monthly Weather Review of January, 1900, the editor discussed the light rainfall in San Diego, concluding with this statement:

It would, however, seem that there is little likelihood that the rainfall for the season 1899-1900 will be smaller than four inches, so that the three seasons just past will represent nothing worse than has happened twice before in 10 years, namely, between 1855 and 1860, and between 1869 and 1872.<sup>1</sup>

The seasonal rainfall for 1899-1900 was 5.97 inches or 1.97 inches more than the estimated amount.

A perusal of the accompanying table will show that while the rainfall to date has been scanty it does not indicate that the balance of the season will be likewise dry. During the past 62 years San Diego has experienced

<sup>1</sup> Monthly Weather Review, Vol. XXVIII, pp. 20-21.

TABLE 1.—Climatological data for January, 1912. District No. 11, California.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>Oregon.</i>																					
Klamath Agency.	Klamath.	4169	3	28.6	...	39	31	- 22	3	34	8.30	...	3.00	14.0	6	5	6	20	s.	Edson C. Watson.	
Klamath Falls.	do.	4100	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. H. Heileman.		
Lakeview.	Lake.	4825	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Ralph E. Koozer.		
Merrill.	Klamath.	4070	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. Agnes Ritchson.		
Yonna.	do.	4146	4	31.0	...	56 <sup>a</sup>	31	- 25 <sup>a</sup>	4	42	3.72	...	.66	4.0	12	3	11	17	s.	Jacob Ruecke.	
<i>California.</i>																			Chas. E. Sears.		
Alameda.	Alameda.	19	2	50.0	...	64	25	- 27	3	28	4.15	...	1.10	0	14	10	6	15	s.	Prof. C. B. Towle.	
Alturas.	Modoc.	4,460	8	32.0	...	61	21	- 26	31	55	0.99	...	0.45	4.0	12	9	8	14	sw.	Santa Fe Co.	
Angiola.	Tulare.	203	12	44.6 <sup>b</sup>	- 1.8	73	24	20	1 <sup>f</sup>	43	0.40	- 1.10	0.40	0	1	11	0	20	w.	Southern Pacific Co.	
Antioch **.	Contra Costa.	46	33	51.3	+ 4.8	76	22	25	21	...	1.68	- 0.81	0.48	0	10	12	0	19	...	Do.	
Aptos **.	Santa Cruz.	102	27	51.1	+ 2.6	70	14	27	3	43	0.40	- 1.22	0.88	0	10	10	8	13	n.w.	Dr. E. A. Crokat.	
Arrowhead Springs.	San Bernardino.	2,000	3	56.4	...	73	13	32	1	37	0.41	...	0.16	0	5	25	0	6	w.	Southern Pacific Co.	
Auburn.	Placer.	1,360	41	47.2	+ 1.6	64	16	23	5	26	3.75	- 2.76	0.71	0	12	16	1	14	sw.	T. S. Manning.	
Avalon.	Los Angeles.	30	2	56.8	...	76	14	43	3	22	0.06	...	0.03	0	3	24	7	0	s.	A. P. Griffith.	
Azusa.	do.	540	10	56.2	+ 3.2	88	14 <sup>f</sup>	30	3	44	0.42	- 3.49	0.34	0	0	2	28	1	2	sw.	Santa Fe Co.
Bagdad.	San Bernardino.	784	9	55.6	...	70	15	33	1	32	0.00	...	0.00	0	0	0	0	1	w.	E. L. White.	
Bakersfield.	Kern.	404	23	49.5	+ 2.1	77	20	28	1	33	0.54	- 1.17	0.22	0	0	30	0	1	se.	State University.	
Barstow.	San Bernardino.	2,105	9	49.1	...	82	25	31	3	49	0.00	- 0.62	0.00	0	0	0	0	0	sw.	Southern Pacific Co.	
Berkeley.	Alameda.	317	25	49.8	+ 2.3	61	31	34	3	18	3.65	- 1.73	1.08	0	12	9	6	18	...	Do.	
Biggs **.	Butte.	98	13	47.8	+ 0.9	62	28 <sup>f</sup>	30	3 <sup>f</sup>	...	3.39	- 0.84	0.80	0	13	7	3	21	s.	Paul E. Lodge.	
Bishop.	Inyo.	4,450	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Victor Hope.		
Bishop Creek.	do.	8,500	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Southern Pacific Co.		
Blocksburg.	Humboldt.	1,700	6	44.0	...	68	21	24	1 <sup>f</sup>	32	16.17	...	4.82	0	14	9	0	29	se.	D. H. Carey.	
Blue Canon.	Placer.	4,695	13	39.6	+ 1.3	60	15	16	2	32	8.47	- 5.16	1.95	28.0	12	14	2	15	...	A. J. Haun.	
Blythe.	Riverside.	268	3	49.0 <sup>b</sup>	...	81	23 <sup>f</sup>	14	3	54	0.00	...	0.00	0	0	0	0	0	sw.	M. D. Witter.	
Branscomb.	Mendocino.	2,000	12	45.6	...	71	14	22	2	37	19.98	+ 0.82	8.50	0	16	7	8	16	...	Mrs. M. D. Chambers.	
Brawley.	Imperial.	-105	3	55.0 <sup>b</sup>	...	79	25	28	1	46	0.00	...	0.00	0	0	0	0	0	sw.	Carl Stevens.	
Burney.	Shasta.	3,300	2	34.2	...	58	21	- 15	4	50	0.38	...	3.66	1.5	11	8	5	18	...	J. E. Peck.	
Cahuilla.	Riverside.	3,600	1	45.1	...	72	13 <sup>f</sup>	19	3 <sup>f</sup>	48	0.21	...	0.10	0	3	21	6	4	sw.	Southern Pacific Co.	
Calexico.	Imperial.	0	7	54.0	...	77	25	1 <sup>f</sup>	37	0.00	...	0.00	0	0	0	25	5	1	...	Do.	
Caliente **.	Kern.	1,290	36	53.0	+ 3.6	64	13	36	1	72	- 1.05	- 0.37	0.27	0	6	20	0	11	...	F. M. Righter.	
Calistoga **.	Napa.	363	40	47.8	- 0.3	75	8	18	4	50	- 3.38	2.17	0	12	12	0	0	19	...	Cal. Gas & Elect. Co.	
Campbell.	Santa Clara.	217	15	48.6	+ 1.0	65	21	27	5	29	1.64	- 1.06	0.37	0	8	8	3	14	...	T. H. Johnstone.	
Camptonville (near).	Yuba.	3,500	5	45.0	...	70	14	21	3	38	11.36	...	2.80	12.0	15	9	8	14	...	G. H. Stephenson.	
Cedarville.	Modoc.	4,675	18	32.8	+ 2.3	57	31	- 13	4	40	1.10	- 0.91	0.30	7.0	10	14	17	0	sw.	O. I. Westberg.	
Chico.	Butte.	189	42	47.2	+ 0.3	64	13	24	3 <sup>f</sup>	32	3.27	- 1.46	0.76	0	13	9	3	20	...	Southern Pacific Co.	
China Flat.	Humboldt.	600	3	46.2	...	66	20	24	4	25	12.07	...	3.92	0	13	7	4	20	...	John O. Ogle.	
Chino **.	San Bernardino.	714	20	50.3	- 0.8	82	14	28	1 <sup>f</sup>	31	0.41	- 3.55	0.31	0	2	23	0	8	...	Union Oil Co.	
Cisco **.	Placer.	5,939	41	35.5	+ 5.1	52	15	10	3	40	- 5.02	1.00	44.0	12	11	0	20	20	...	C. D. McComish.	
Claremont.	Los Angeles.	1,200	20	55.2	+ 4.2	85	14	31	3	42	0.58	- 3.34	0.39	0	4	21	2	8	...	L. L. Macquarie.	
Cloverdale.	Sonoma.	340	10	47.6	+ 0.2	68	13 <sup>f</sup>	27	4	24	6.51	- 5.32	0.58	0	16	14	0	17	...	S. H. Beckett.	
Coalinga.	Fresno.	48.0	5	45.0	...	76	16	21	6	36	0.20	...	0.20	0	1	14	5	12	...	Cal. Gas & Elect. Co.	
Colfax.	Placer.	2,421	41	42.7	- 1.7	73	15	18	3	32	6.17	- 3.13	1.15	5.0	10	11	3	17	...	Cal. Gas & Electric Co.	
Colusa.	Colusa.	60	9	47.2	...	67	31	25	3 <sup>f</sup>	33	1.54	- 1.96	0.38	0	10	10	5	16	...	C. D. McComish.	
Corning **.	Tehama.	277	26	51.1	+ 5.9	68	31	30	4	50	3.48	- 1.07	0.63	0	17	6	5	20	...	Southern Pacific Co.	
Cuyamaca.	San Diego.	4,677	13	40.4	+ 3.3	62	15 <sup>f</sup>	23	2	31	1.30	- 5.68	0.57	0	6	11	15	5	...	L. E. Roening.	
Davisville.	Yolo.	51	40	46.2	- 1.4	65	31	23	3	32	2.08	- 1.62	0.49	0	13	8	11	12	...	F. O. Hutton.	
Deer Creek.	Nevada.	3,700	5	37.6	...	60	31	9	3	34	9.32	...	3.70	19.0	12	10	2	19	...	Cal. Gas & Elect. Co.	
Del Monte.	Monterey.	25	1	54.8	...	74	14	32	4	32	2.05	...	0.76	0	8	21	0	10	...	H. R. Warner.	
Delta.	Shasta.	1,138	27	43.8	+ 0.5	63	14	22	3	27	12.35	+ 1.06	2.92	0	12	10	0	21	...	Southern Pacific Co.	
Denair.	Stanislaus.	12 <sup>b</sup>	12	45.6	- 0.8	70	25	18	4	32	...	...	5	2	24	...	...	...	Do.		
De Sabla.	Butte.	2,500	8	42.6	...	68	14	17	2	34	13.55	...	3.18	8.0	13	8	6	17	...	Cal. Gas & Electric Co.	
Dobbins (near).	Yuba.	1,650	8	48.6	...	72	14	26	3	32	6.61	...	1.57	0	13	6	14	11	...	J. T. Mason.	
Downieville.	Sierra.	3,150	1	39.0	...	63	19	9	3	36	6.95	...	2.55	9.0	12	10	14	7	...	Union Oil Co.	
Dudley.	Kings.	565	46	49.6	...	74	15	17	5	37	0.16	...	0.10	0	3	23	0	8	...	W. H. Dudley.	
Dudleys.	Marlboro.	3,000	3	40.2	...	65	14	4	3	41	4.55	...	1.30	5.0	9	5	11	17	...	R. Hopping.	
Dunigan **.	Fresno.	2,800	39	44.4	...	71	15 <sup>f</sup>	10	2	49	1.91	- 2.67	0.49	0	7	11	13	7	...	Southern Pacific Co.	
Dunsmaur **.	Yolo.	65	35	52.3	+ 6.0	68	21 <sup>f</sup>	31	3 <sup>f</sup>	...	1.91	- 2.67	0.49	0	9	8	6	17	...	Do.	
Dusk.	Plumas.	2,285	23	27.7	- 2.1	58	25	- 2	2	45	1.78	- 2.40	0.80	T.	6	6	25	0	s.	A. J. Burgi.	
Fresno.	Fresno.	293	25	48.5	+ 3.1	73	15	24	4	30	0.72	- 0.60	0.53	0	5	6	15	10	e.	U. S. Weather Bureau.	
Galt **.	Sacramento.	49	34	49.0	+ 1.7	64	14	20	3	48	0.50	- 1.93	0.30	0	4	26	4	1	w.	Southern Pacific Co.	
Georgetown.	El Dorado.	2,650	39	45.6	- 0.8	74	14	23	3	37	8.84	- 1.95	1.75	5.0	11	14	0	17	...	H. D. Jerrett.	
Gilroy **.	Santa Clara.	193	38	47.6	+ 1.1	70	25 <sup>f</sup>	30	2	41	2.68	- 1.88	0.67	0	10	17	0	14	...	Southern Pacific Co.	
Gilts.	Siskiyou.	3,300	2	38.6	...	50	21 <sup>f</sup>	13	1	23	14.33	...	4.51	4.0	15	8	4	19	...	A. Dannenbrink.	
Glenville.	Kern.	3,300	2	44.0	...	60	15 <sup>f</sup>	21	3	31	1.66	...	1.09	T.	4	13	11	7	w.	C. H. Likely.	
Gold Run.	Placer.	3,222</td																			

TABLE 1.—*Climatological data for January, 1912. District No. 11—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.					
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>California—Continued.</i>																					
Independence.....	Inyo.....	3,907	16	57.6	+ 4.7	90	14	23	3	44	0.00	- 0.76	0.00	0	21	9	1	se.	U. S. Weather Bureau.		
Indio.....	Riverside.....	—	20	34	57.6	+ 4.7	62	14	20	3	30	14.58	3.43	26.3	11	6	8	17	se.	F. N. Johnson.	
Inskip.....	Butte.....	4,975	5	38.8	62	14	20	4	—	3.15	- 0.27	0.65	0	10	11	4	16	sw.	Cal. Gas & Electric Co.		
Iron*.....	Amador.....	287	34	48.1	+ 1.5	62	10†	24	4	—	3.33	4.46	1.45	0	9	15	2	14	w.	Southern Pacific Co.	
Jamestown.....	Tuolumne.....	1,471	9	45.0	69	15	23	3	—	4.46	—	5.20	0	16	14	8	9	sw.	Sierra Railway Co.		
Kennett.....	Shasta.....	730	—	43.2	68	31	18	4	40	15.32	—	5.20	0	16	6	5	20	—	O. J. Egleston.		
Kentfield.....	Marin.....	65	24	49.1*	67	31	24	3	40	6.83	—	3.98	1.65	0	16	5	20	—	Miss M. E. Parsons.		
King City.....	Monterey.....	333	25	43.3	- 4.6	70	1†	20	20	4.7	2.83	+ 0.43	1.45	0	3	13	0	18	—	Southern Pacific Co.	
Lake Eleanor.....	Tuolumne.....	4,700	2	18	37.1	+ 3.6	63	14	10	3	40	9.04	- 8.80	3.11	35.5	15	11	7	s.	O. J. Todd.	
La Porte.....	Plumas.....	5,000	18	50.0	+ 4.0	79	13	25	5	41	0.62	- 1.81	0.18	0	5	14	2	15	—	Chas. W. Hendel.	
Le Grand.....	Merced.....	255	12	50.0	+ 4.3	76	24	25	4	42	0.91	- 2.22	0.38	0	4	18	1	n.	Santa Fe Co.		
Lemon Cove.....	Tulare.....	600	17	53.2	+ 4.8	76	24	25	4	40	15.32	—	5.20	0	16	14	8	9	sw.	G. W. Sandidge.	
Lick Observatory.....	Santa Clara.....	4,209	23	42.8	+ 2.9	62	14	27	2	20	4.44	- 1.12	1.04	2.0	16	9	3	19	se.	The Director.	
Livermore.....	Alameda.....	485	41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	E. G. Still.		
Lodi.....	San Joaquin.....	45	30	47.4	+ 1.2	63	24	26	3	22	2.10	- 1.63	0.41	0	10	6	6	19	se.	Ezra Fliske.	
Lone Pine.....	Inyo.....	2,728	7	37.8	—	70	31	10	4	43	0.00	—	0.00	0	26	5	0	0	s.	G. F. Marsh.	
Los Angeles.....	Lessen.....	4,400	3	32.9	—	56	13	—	4	37	1.08	—	0.70	5.0	6	5	3	23	sw.	A. G. Evans.	
Long Valley.....	Los Angeles.....	293	35	59.0	+ 5.9	87	14	42	27	29	0.07	- 2.86	0.05	0	2	16	10	5	ne.	U. S. Weather Bureau.	
Los Banos**.....	Merced.....	121	25	49.6	+ 0.8	65	24	30	3†	—	1.18	- 0.48	0.80	0	3	12	0	19	s.	Southern Pacific Co.	
Los Gatos.....	Santa Clara.....	600	25	50.4	+ 2.7	67	21	31	4	24	4.15	- 2.94	1.92	0	13	12	0	19	s.	F. H. McCullagh.	
McCloud.....	Siskiyou.....	3,410	2	37.6	—	58	14†	8	24	3.96	—	3.74	2.5	14	14	6	11	s.	F. F. Spencer.		
Maeoel.....	do.....	4,258	5	30.0	—	51	22	—	27	42	0.83	—	0.40	0	4	6	3	22	s.	Butte Valley Land Co.	
Madeline.....	Lassen.....	5,270	3	29.2	—	53	12	—	3†	49	1.09	—	0.50	9.9	9	11	3	17	w.	J. H. Williams.	
Magalia.....	Butte.....	2,321	8	47.6	—	72	31	30	1	36	16.82	—	6.64	0	12	11	3	17	se.	Butte Co. R. R. Co.	
Mammoth Tank.....	Imperial.....	257	34	55.6	+ 1.7	81	15	22	1	40	0.00	- 0.16	0.00	0	0	29	2	0	w.	Southern Pacific Co.	
Maricopa.....	Kern.....	640	1	49.2	—	82	15	24	6	38	0.32	—	0.26	0	3	16	5	10	sw.	Union Oil Co.	
Marysville.....	Yuba.....	67	41	47.3	- 0.6	69	31	25	3†	34	2.78	- 0.93	0.75	0	11	10	0	21	s.	Southern Pacific Co.	
Mecca.....	Riverside.....	185	6	53.2	—	78	15	21	3	42	0.00	—	0.00	0	0	24	7	0	e.	E. A. Palmer.	
Menlo Park**.....	San Mateo.....	64	34	50.5	+ 3.5	64	24	27	3	—	1.67	- 1.55	0.50	0	9	10	7	14	—	Southern Pacific Co.	
Merced.....	do.....	173	38	46.6	- 0.4	68	25	28	3†	32	1.55	- 0.67	0.46	0	7	12	0	19	sw.	Santa Fe Co.	
Middlewater.....	Kern.....	—	1	—	—	77	24	—	—	—	0.24	—	0.16	0	2	17	4	10	w.	Union Oil Co.	
Mill Creek No. 1.....	Amador.....	5	41.4	—	—	66	16	19	3	28	6.16	—	1.84	5.0	11	12	9	10	n.	Cal. Gas & Electric Co.	
Milton (near).....	Calaveras.....	21	48.4	+ 1.4	64	15	29	2	21	3.00	—	1.25	1.28	0	9	8	7	16	se.	J. H. Southwick.	
Modesto**.....	Stanislaus.....	90	40	49.7	+ 3.1	62	9†	28	4	—	1.36	- 0.67	0.45	0	0	26	0	5	—	Southern Pacific Co.	
Mojave.....	Kern.....	2,751	35	34.2	- 11.1	53	19	20	1†	23	0.96	—	0.00	0	26	0	5	—	Do.	C. E. Prindle.	
Mokelumne Hill.....	Calaveras.....	1,550	19	47.9	+ 4.3	66	14	30	3†	29	4.20	- 1.20	1.12	0	8	8	10	13	—	Herbert Lathrop.	
Mono Ranch.....	Ventura.....	3,210	6	43.4	—	70	13†	17	3	39	0.39	—	0.39	3.2	4	9	4	18	s.	I. E. Deboy.	
Montague.....	Siskiyou.....	2,450	24	34.4	- 0.8	60	20	—	10	4	33	1.31	- 0.43	0.39	0	8	17	9	5	se.	Southern Pacific Co.
Monterey**.....	Monterey.....	15	47	53.3	+ 3.1	66	31	26	4	—	2.10	- 1.19	0.69	0	4	15	10	6	nw.	John C. Knecht.	
Monterio.....	Kern.....	4,500	13	45.2	- 1.3	66	17	22	1	30	1.66	- 0.96	0.50	T.	17	6	6	19	s.	U. S. Weather Bureau.	
Mount Tamalpais.....	Marin.....	2,375	13	45.3	- 0.6	65	14	32	3	19	3.59	- 1.03	0.84	0	10	10	9	7	15	—	Alex. Hull.
Napa City.....	Napa.....	20	35	48.2	+ 3.5	67	31	24	2	34	3.82	- 1.32	1.15	0	10	10	21	0	sw.	W. H. Martin.	
Napa (S. H.).....	do.....	60	34	48.2	+ 1.3	68	31	27	4	31	3.16	- 1.98	0.76	0	13	10	5	16	sw.	Santa Fe Co.	
Needles.....	San Bernardino.....	477	20	56.6	+ 3.8	75	14†	34	3	32	0.00	- 0.45	0.00	0	31	0	0	0	—	Santa Fe Co.	
Nellie.....	San Diego.....	5,350	3	43.2	—	65	25†	21	2†	35	1.45	—	0.70	T.	3	23	4	4	s.	T. O. Bailey.	
Nevada City.....	Nevada.....	2,580	20	43.0	+ 1.5	77	14	12	3	46	6.54	—	4.06	1.92	5.5	14	8	10	13	se.	S. W. Marsh.
Newhall**.....	Los Angeles.....	1,200	35	46.8	- 1.1	79	14	22	3	—	0.29	- 2.64	0.18	0	2	25	0	6	se.	Southern Pacific Co.	
Newman.....	Stanislaus.....	91	23	53.3	+ 5.6	64	25	38	3	19	1.95	- 0.15	0.48	0	9	10	2	19	se.	E. S. Wangenheim.	
North Bloomfield.....	Nevada.....	3,214	15	46.2	+ 4.4	66	31	26	3	23	6.80	- 3.40	1.83	0	10	9	7	15	w.	J. R. McIntosh.	
North Fork.....	Madera.....	3,000	8	45.6	—	73	14	27	28	33	3.36	—	1.47	1.0	6	10	19	2	sw.	C. H. Shinn.	
Oakdale**.....	Stanislaus.....	156	18	48.4	+ 3.7	62	31	29	4	—	2.23	- 0.86	0.58	0	11	16	7	8	nw.	Southern Pacific Co.	
Oak Grove.....	San Diego.....	2,751	24	34.4	- 0.8	78	14	26	1†	47	0.18	—	0.10	0	3	22	7	2	sw.	B. L. Johnson.	
Oakland.....	Alameda.....	36	36	50.3	+ 2.7	64	31	34	3	19	2.31	- 2.74	0.62	0	13	12	3	16	s.	Chabot Observatory.	
Oceanside.....	San Diego.....	60	2	56.4	—	80	14†	30	2†	28	0.71	—	0.42	0	4	18	12	1	w.	H. D. Brodie.	
Ojai Valley.....	Ventura.....	900	6	53.3	—	90	13†	24	3	53	0.24	—	0.16	0	2	18	10	3	sw.	W. H. Duncan.	
Orland.....	Glenn.....	254	30	47.4	- 0.2	68	31	26	3	30	2.31	- 1.23	0.53	0	11	9	7	15	n.	U. S. Reclamation Service.	
Orleans.....	Humboldt.....	520	9	48.2	—	71	22	22	4	35	11.99	—	2.77	0	19	5	14	12	—	F. T. Hale.	
Oroville (near).....	Butte.....	250	28	47.4	+ 0.6	64	31	26	4	27	3.81	- 1.67	1.23	0	10	7	5	19	s.	E. D. Fairchild.	
Palermo.....	do.....	213	21	44.0	- 1.4	63	29	—	19†	25	2.75	- 2.29	1.00	0	6	7	14	10	s.	Western Pacific Co.	
Palm Springs**.....	Riverside.....	584	23	54.3	- 1.7	78	14†	38	2	—	0.00	- 0.70	0.00	0	2	22	6	3	—	Southern Pacific Co.	
Pasadena.....	Los Angeles.....	827	22	55.4	+ 2.7	86	14	32	3	41	0.18	- 3.95	0.10	0	2	29	0	9	12	sw.	E. D. Sorver.
Paso Robles.....	San Luis Obispo.....	300	25	48.8	+ 3.4	75	15	20	2	45	1.40	- 2.08	0.34	0	7	10	9	12	sw.	Dr. F. W. Sawyer.	
Peachland.....	Sonoma.....	190	16	48.6	+ 1.6	86	21†	23	3†	36	3.33	- 4.04	1.91	0	16	10	5	16	se.	E. H. Parnell.	
Placerville.....	El Dorado.....	1,875	23	48.8	+ 2.2	64	14	20	3†	30	5.00	- 3.23</td									

TABLE 1.—Climatological data for January, 1912. District No. 11—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
<i>California—Continued.</i>																			
Selma **.	Fresno.	311	26	46.6	+ 0.9	68	24	26	3	0.96	— 0.78	0.52	0	2	15	16	s.	Southern Pacific Co.	
Seven Oaks.	San Bernardino.	5,000	2	43.6	— 8.2	66	13	21	1	0.41	— 0.88	0.38	0.7	0	29	0	n.	M. Lewis.	
Shasta.	Shasta.	1,048	16	37.4	— 8.2	57	10	17	2	3.74	— 4.03	2.12	0	16	15	5	nw.	Dr. T. J. Edgecomb.	
Sierra Madre.	Los Angeles.	1,400	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mrs. A. E. Gregory.	
Sierraville.	Sierra.	5,000	2	27.2	—	57	15	— 23	3	49	2.20	— 0.95	1.00	8.0	5	7	9	C. D. Johnson.	
Sisson.	Siskiyou.	3,555	23	36.4	+ 2.4	62	14†	8	2	33	6.68	— 0.95	2.05	0.5	13	6	2	Southern Pacific Co.	
Soledad **.	Monterey.	188	38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Do.	
Sonora.	Tuolumne.	1,825	24	45.6	—	67	15	— 24	3	27	3.49	— 3.15	1.34	0	6	17	5	Chas. P. Jones.	
Southeast Farallon.	San Francisco.	30	9	52.2	—	61	31	44	1	13	1.97	—	0.81	0	13	10	6	U. S. Weather Bureau.	
Springville.	Tulare.	4,000	5	44.4	—	74	25	21	3†	38	2.20	—	0.70	7.0	4	24	7	D. L. Wishon.	
Squirrel Inn.	San Bernardino.	5,280	2	40.6	—	59	25	21	2	19	0.62	—	0.21	1.0	4	19	9	A. D. Frantz.	
Stanwood.	Butte.	2,140	8	41.7	—	60	14†	20	3†	26	9.73	—	2.19	2.0	13	12	5	California Gas & Elect. Co.	
Stirling City.	do.	3,525	8	39.5	—	63	22	15	5	30	12.03	—	5.05	2.0	9	6	20	Butte Co. R. R. Co.	
Stockton (S. H.)	San Joaquin.	23	41	46.8	+ 0.3	62	25	24	4	27	2.56	— 0.30	0.89	0	13	9	4	State Hospital.	
Storey.	Madera.	296	12	43.6	— 1.6	65	25	21	4	27	0.35	— 1.38	0.22	0	3	19	0	Santa Fe Co.	
Suisun **.	Solano.	20	32	48.0	+ 0.3	58	19†	30	2†	—	4.72	— 0.38	1.50	0	10	13	9	Southern Pacific Co.	
Sulphur Banks.	Lake.	1,350	—	45.6	—	67	13	24	3	29	2.87	—	0.56	0	10	8	12	J. T. La Bree.	
Summerdale.	Mariposa.	5,270	16	41.8*	+ 4.0	67	14	16	2	34	4.34	— 7.90	1.53	22.0	5	7	Mrs. J. E. Lowry.		
Summit.	Placer.	7,017	39	32.2	+ 4.2	50	15†	9	3	35	3.24	— 5.54	1.31	70.0	7	17	Southern Pacific Co.		
Susanville.	Lassen.	4,175	23	32.4	+ 1.8	54	24	— 11	4	36	1.40	— 2.66	0.87	3.0	4	5	James Branham.		
Tamarack.	Alpine.	8,000	6	21.8	—	46	14	— 22	2	54	4.40	—	1.86	47.0	8	11	William Bennett.		
Tehachapi **.	Kern.	3,964	35	39.9	+ 1.7	59	13	20	2	—	1.35	— 0.08	0.85	0	2	—	Southern Pacific Co.		
Tehama **.	Tehama.	220	41	52.2	+ 5.2	69	14	30	3†	—	4.32	— 0.41	1.00	0	11	14	0	Do.	
Tejon Rancho.	Kern.	1,500	10	42.6	—	69	16	22	3†	27	1.12	—	0.50	0	6	22	9	S. E. Bailey.	
Three Rivers.	Tulare.	870	2	48.0	—	81	15	21	5	41	1.10	—	0.62	0	5	15	E. D. Barton.		
Towle.	Placer.	3,704	26	40.4	+ 0.1	76	14	17	3	38	7.44	— 2.30	2.00	13.0	10	12	Southern Pacific Co.		
Tracy.	San Joaquin.	64	32	45.2	— 1.7	56	27†	24	5	—	1.00	— 0.85	0.28	0	7	8	17	Do.	
Ukiah.	Mendocino.	620	19	48.2	+ 3.2	69	21	22	3	37	5.73	— 2.62	1.80	0	14	13	7	Dr. Geo. McCowen.	
Upper Lake.	Lake.	1,350	27	46.1	+ 2.1	72	31	19	3	44	3.91	— 2.51	0.63	0	12	8	6	C. M. Hammond.	
Vacaville.	Solano.	175	24	48.4	+ 2.0	69	31	26	3†	34	2.73	— 3.26	0.79	0	9	7	12	G. O. Coburn.	
Valley Springs **.	Calaveras.	673	23	48.6	+ 1.8	58	19†	31	3†	—	3.24	— 1.00	0.87	0	14	7	10	Southern Pacific Co.	
Visalia.	Tulare.	334	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Santa Fe Co.	
Warner Springs.	San Diego.	3,165	4	51.4	—	85	13	26	2†	47	0.16	—	0.10	0	3	23	6	2	Mrs. F. S. Sandford.
Wasco.	Kern.	336	12	49.04	+ 3.5	77	15	29	7†	42	0.22	— 0.84	0.20	0	3	—	—	Santa Fe Co.	
Watsonville.	Santa Cruz.	23	16	49.2	— 3.2	80	14	23	3	43	2.54	— 2.39	0.55	0	11	11	14	Spreckels Sugar Co.	
Weaverville.	Trinity.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	U. S. Forest Service.	
Weitchpec.	Humboldt.	1,700	2	41.4	—	59	23	19	4	21	20.75	—	5.26	1.0	22	6	11	M. E. Lathrop.	
Westley **.	Stanislaus.	90	23	49.2	+ 1.4	70	31	25	5	—	2.13	— 0.01	0.70	0	11	7	2	Southern Pacific Co.	
Wheatland.	Yuba.	84	25	46.9	+ 2.1	61	13	26	4	25	3.46	— 1.06	0.75	0	13	8	9	William Lombard.	
Willows.	Glenn.	136	33	47.3	+ 2.1	70	31	23	4	36	1.95	— 1.54	0.47	0	10	8	4	E. C. Mills.	
Yosemite.	Mariposa.	3,945	8	34.1	—	64	25	1	3	40	3.20	—	1.44	10.0	6	13	6	J. P. Kelley.	

\*, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for January, 1912. District No. 11, California.*

TABLE 2.—*Daily precipitation for January, 1912. District No. 11—Continued.*

TABLE 2.—*Daily precipitation for January, 1912. District No. 11—Continued.*

Stations.	Watershed.	Day of month.																													Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
California—Contd.																																		
Napa City	Coast	.43								.42	.14	.10					.40		.70															3.82
Napa (S. H.)	do	.25							.06	.16	.21	.15					.46		.13	.63												3.16		
Needles	Desert																																0.00	
Nellie	Coast		T.																														1.45	
Nevada City	Sacramento	.40																															6.54	
Newhall	Coast																																0.29	
Newman	San Joaquin	.06	.42																														1.95	
North Bloomfield	Sacramento																																6.80	
North Fork	San Joaquin																																3.36	
North Lakeport	Coast	.03																															3.34	
Oakdale	San Joaquin	.20	.31																														2.23	
Oak Grove	Coast																																0.18	
Oakland	do	.25																															2.31	
Oakville	do	.18	.09																														4.58	
Oceanside	do	.42																															0.71	
Ojai Valley	do																																0.24	
Orland	Sacramento	.31																															2.31	
Orleans	Klamath																																11.99	
Oroville	Coast																																3.81	
Ozena	Sacramento																																0.51	
Palermo	Sacramento	1.00																															2.75	
Palm Springs	Desert																																0.00	
Parkfield	Coast	.09	.54																														1.32	
Pasadena	do																																0.18	
Paso Robles	do		.34																														1.40	
Peachland	do	.14																															6.33	
Phoenix Dam	San Joaquin	.11																															2.18	
Pilot Creek	Sacramento	.65																															10.14	
Pinchot	Coast																																0.32	
Pine Crest	do																																0.87	
Placerville	Sacramento																																5.00	
Point Lobos	Coast	.15																															2.35	
Point Reyes	do	.05																															0.69	
Porterville	do		.36																														2.72	
Portulaca	San Joaquin																																1.30	
Prattville	Sacramento	.17																															4.63	
Priest Valley	Coast	.55																															1.44	
Quincy	Sacramento	.50																															0.67	
Red Bluff	do	.50																															3.47	
Redding	do	.56																															7.20	
Redlands	Coast		T.																														0.37	
Reedley	San Joaquin																																0.94	
Repreza	Sacramento	.51	.64																														4.63	
Rialto (near)	Coast	.22	.20																														1.02	
Rio Vista	Sacramento	.12	.59																														4.30	
Riverside	Coast																																0.45	
Rocklin	Sacramento																																0.45	
Rohnerville	Coast	.37																															8.80	
Sacramento	Sacramento	.52																															2.74	
St. Helena	Coast																																4.25	
Salinas	do		.29	.48																												2.31		
San Bernardino	do		.10																													0.75		
San Diego	do		.20																													0.66		
San Francisco	do	.16																														2.47		
San Jacinto	do																															0.15		
San Jose	do	.36																														1.36		
San Luis Obispo	do	.62																														2.80		
San Mateo	do																															3.53		
San Miguel	do		.39																													0.81		
San Miguel Island	Ocean																																0.73	
Sanger	San Joaquin																															0.42		
Santa Ana River	Coast																															1.73		
Santa Barbara	do	.06																														3.46		
Santa Clara	do	.47																														1.70		
Santa Cruz	do	.75																														3.15		
Santa Margarita	do		.80																													1.34		
Santa Maria	do		.57																													0.20		
Santa Monica	do																															3.39		
Santa Rosa	do																															3.15		
Sausalito	San Joaquin	.16																														0.96		
Sealma	Coast																															0.41		
Seven Oaks	do																															8.74		
Shasta	Sacramento																															4.30		
Shingle Springs	San Joaquin	.81	.12	.03	.30	.04	.14	.09	</td																									

TABLE 2.—*Daily precipitation for January, 1912. District No. 11—Continued.*

Stations.	Watershed.	Day of month.																														Total.					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
<i>California—Contd.</i>																																					
Tracy.....	San Joaquin.....								.28		.10	.20																						1.00			
Tulare.....	do.....	T.								T.		.39																							0.96		
Tustin (near).....	Coast.....	.06										.09																							0.17		
Ukiah.....	do.....	.30							.30	.06	.15	.11	.03	.01																			5.73				
Upland.....	do.....																																				
Upper Lake.....	Sacramento.....	.25							.22	.06	.10	.05	.04	T.																				3.91			
Upper Mattole.....	Coast.....								.17	.12	.72	.56	.18	1.05																			23.42				
Vacaville.....	Sacramento.....								.15	.12	.11	.06																						2.73			
Valley Springs.....	San Joaquin.....	.50	.13						.10	.36	.01	.40	.26	.01																			3.24				
Visalia.....	do.....																																				
Warner Springs.....	Coast.....										.01																									0.16	
Wasco.....	San Joaquin.....											.01	.01																						0.22		
Watsonville.....	Coast.....	.25	.35						.04		.34	.19																						2.54			
Weaverville.....	do.....																																				
Weitchpec.....	Klamath.....	.10	.02						.36	.23	.80	1.34	.86	.15	3.15	1.49	.05		.19		.19	.08		.01	.16	.08	2.72	5.26	1.20	.11	.10					20.75	
West Branch.....	Sacramento.....	.43							.35	.06	.97	.59	1.03	.07					.59		.89	.70	T.		T.	T.	.32	2.68	2.38	.48					11.54		
Westley.....	San Joaquin.....	.70							.29		.09	.15	.05					.08	.12		.10	.09											2.13				
West Point.....	do.....																																				
West Saticoy.....	Coast.....																																				0.35
Wheatland.....	Sacramento.....	.51							.36	.05	.41	.09	.17					.60		.15	.08												3.46				
Willows.....	do.....	.22																.07	.04																1.95		
Yosemite.....	San Joaquin.....								.20																											3.20	

\* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

|| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for January, 1912. District No. 11, California.

Date.	California.																												
	Lakeview.		Alturas.		Barstow.		Brans-comb.		Brawley.		Colusa.		Eureka.		Fresno.		Independ- ence.		Los Ange- les.		Mount Ta- maipais.		Nevada City.		Porter- ville.		Red Bluff.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.....			35	6	54	24			74	28	48	36	48	34	52	30			60	43	38	33	44	30	55	30	50	35	
2.....			23	-20	61	31			71	31	47	28	45	30	47	34			62	45	44	36	55	16	54	31	47	30	
3.....			22	-26	54	21			76	35	46	25	49	31	52	31			62	43	40	32	53	12	54	28	48	26	
4.....			29	-26	50	23			74	40	48	25	48	31	49	24			64	49	49	33	61	15	55	27	51	26	
5.....			42	00	64	27			76	45	57	26	50	40	37	30			73	51	50	41	60	20	56	28	60	30	
6.....			45	10	66	25			72	38	50	29	55	40	39	33			75	48	54	44	56	23	58	29	42	37	
7.....			40	26	69	34			70	43	41	37	53	46	48	32			67	49	52	42	45	31	57	30	41	37	
8.....			35	5	65	32			73	30	47	40	55	45	56	42			67	49	44	40	43	26	59	32	46	38	
9.....			39	30	59	32			76	38	55	46	56	49	65	44			67	47	46	44	45	36	60	34	51	46	
10.....			40	30	63	35			72	35	58	48	55	47	57	44			60	51	49	42	47	35	63	31	52	46	
11.....			42	23	66	34			70	28	57	47	55	42	63	48			62	53	46	42	53	35	69	30	52	42	
12.....			42	33	69	33			68	37	60	45	57	53	63	40			72	47	48	43	58	33	68	33	55	49	
13.....			54	32	71	33					63	43	59	52	61	39			81	52	58	45	68	32	69	36	64	49	
14.....			56	23	74	34					57	43	57	47	63	37			87	61	65	46	77	30	69	40	61	43	
15.....			47	31	74	38					54	43	54	47	73	43			72	52	59	42	65	37	75	39	59	45	
16.....			42	27	70	36					54	43	52	47	59	44			62	49	45	40	54	35	76	41	52	48	
17.....			50	29	67	40					54	38	54	42	56	44			63	48	42	39	55	26	75	43	54	40	
18.....			42	27	69	22					53	46	55	50	56	39			63	48	45	41	48	36	79	45	49	47	
19.....			47	28	68	29					55	43	60	53	64	43			67	48	50	45	56	36	70	47	53	48	
20.....			48	30	68	30					54	42	64	49	65	38			82	54	52	43	61	32	83	44	57	47	
21.....			61	23	67	31					58	38	60	40	62	42			81	58	60	42	56	31	88	46	63	42	
22.....			51	26	68	30					55	42	58	49	58	41			72	50	46	42	51	31	82	43	52	42	
23.....			45	22	75	32					56	46	63	48	58	43			64	47	45	42	52	36	79	45	51	45	
24.....			51	38	79	33					60	47	58	51	71	46			72	47	48	45	53	38	78	43	57	49	
25.....			48	37	82	34					79	37	58	52	56	50	67			66	44	46	44	50	45	80	41	54	52
Mns.....			44.4	19.6	60.8	31.4			73.91	36.21	51.7	39.6	55.0	44.2	58.1	38.9			69.2	48.9	49.3	41.3	55.7	30.2	67.5	36.6	53.9	41.5	

Date.	California.																									
	Redlands.		Sacramento.		San Diego.		San Fran- cisco.		San Jose.		San Luis Obispo.		Santa Barbara.		Santa Rosa.		Sisson.		Stockton.		Summit.		Susanville.		Yosemite.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	56	32	43	37	60	48	47	42	46	37	49	34	58	36	62	38	33	10	45	42	23	18	36	22	38	22
2.....	58	37	47	29	58	51	41	55	31	55	41	58	36	53	26	27	8	48	29	28	10	15	-3	39	6	
3.....	59	28	50	32	61	40	50	40	53	29	60	40	62	36	55	23	26	9	46	28	34	9	12	-7	39	1
4.....	61	33	49	30	63	45	52	41	56	27	64	33	58	30	57	23	35	9	48	24	17	15	-11	41	3	
5.....	71	42	52	31	67	49	56	40	55	27	68	40	68	38	58	28	40	21	45	25	40	19	19	-5	46	14
6.....	74	37	43	30	68	45	60	46	63	32	66	52	73	43	61	32	43	25	46	28	45	23	38	2	44	11
7.....	65	39	44	33	63	48	54	47	58	36	60	59	70	52	83	39	42	32	47	35	42	35	46	30	41	21
8.....	67	39	48	40	64	54	52	46	59	45	66	68	77	77	72	42	43	30	50	38	32	20	38	22	43	19
9.....	68	38	51	47	62	49	55	50	59	50	58	53	68	47	79	44	42	34	56	38	32	28	36	26	46	29
10.....	54	35	55	48	58	53	57	50	62	52	54	46	60	47	70	48	44	23	58	42	26	46	36	26	48	28
11.....	61	48	55	49	61	52	55	49	60	44	60	48	63	49	55	50	42	37	57	50	34	26	41	31	43	29
12.....	71	37	57	46	65	48	57	48	52	40	68	45	65	43	56	47	42	39	58	43	30	48	31	46	25	
13.....	81	40	56	42	72	49	57	45	52	37	73	51	80	83	59	43	50	29	51	41	49	28	51	31	49	21
14.....	81	46	54	40	82	56	62	48	68	36	84	48	82	52	57	44	62	34	54	40	48	29	48	27	48	20
15.....	75	47	55	43	72	55	53	50	60	47	55	52	60	50	59	42	53	34	56	44	50	41	49	30	53	23
16.....	58	48	56	48	60	53	55	49	58	48	50	48	61	43	57	42	42	34	56	47	41	30	43	32	47	28
17.....	61	45	56	40	61	51	53	47	58	42	61	46	62	40	54	39	49	32	52	41	38	19	40	25	48	18
18.....	61	41	54	46	60	49	52	47	56	48	56	46	60	46	54	43	40	33	57	44	32	27	43	39	44	19
19.....	73	36	55	49	61	44	58	51	64	45	68	41	65	43	54	43	42	35	59	45	36	28	46	32	53	25
20.....	76	41</td																								